

ELECTROPHOTOGRAPHIC SENSITIVE BODY

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Abstract

PURPOSE: To improve charge transfer rate, stability, compatibility, film strength, ozone resistance, etc., and thereby, to obtain excellent sensitivity and durability by using a cyclic unsatd. compd. expressed by a specified formula as a charge transfer material.

CONSTITUTION: This electrophotosensitive body has a conductive supporting body, charge generating material, and charge transfer material as essential components. As for the charge transfer material, a cyclic unsatd. compd. (cyclic stilbene compd.) expressed by formula is used. In formula, Ar1 and Ar2 are same or different aryl groups which may be substd., however, either Ar1 or Ar2 has at least one 2-substd. amino group. R1-R5 are same or different hydrogen atoms, halogen atoms, or alkyl, alkoxy, aryl groups or ester group which may be susbtd. x, y and z are integers 0 to 6 and the sum of x, y and z is an integer 2 to 10.

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